# BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

**Detailed Estime for Supplying and Installation of Street Lights and Illuminated Signage pole at different Junctions of Vidyaranyapura ward no-09**

**Budget Head**

**Ward No.9** **Estimate No.....** **For Rs. 1000000.00**

| Sl No | Description Of Work | Qty | Rate | Unit | Amount |
|---|---|---|---|---|---|
| | **KPWD (Civil) S.R.2013-14** | | | | |
| 1<br>24/6 | KSSRB M800-5.2 Providing and erecting **Overhead signs** with a corrision resistant 2mm thick aluminium alloy sheet reflectorised with high intensity retro-reflective sheeting of encapsulated lense type with vertical and lateral clearance given in clause 800. 2.2 and 800.2.3 andinstalled as per clause 800.2.7 over a designed support system of aluminium alloy or galvanished steel trestles and trusses of sections and type as per structural design requirements and approved plans complete as per specifications.B.**Aluminium Alloy Plate for Over Head Sign** Morth Specification No.802. | 8.1 | 6657.00 | Sqm | 53921.70 |
| 2<br>24/10 | KSSRB M800-10. **Painting new letter and figures of any shade with synthetic enamel paint black** or any other approved colour to give an even shade complete as per specifications. ("ii) English and Roman-Hyphen and the like not to be measured and pair for"MORTH Specification No 801 | 70125 | 0.35 | cm | 24543.75 |
| | **KPWD (Ele) S.R.2010-11** | | | | |
| 3<br>76/25 | Supply and erection of 14 Feet Height Street Light Pole on Suitable cement concrete foundation with 2.5 Feet height cast iron decorative round pedestal weighing not less than 37Kgs, the pedestal shall be fitted with Class 'C' G.I.Pipe 7 Feet height 75mm outer dia and 4 feet height top piece outer dia of 65mm fixed by means of threading/welding/coupling complete | 15 | 14500.00 | Each | 217500.00 |
| 4<br>55/63 | Painting of existing street light pole after scrapping the old paint and painted with suitable colour enamel/Silver paint including coping/looting of the pole.a) Upto 5 Mtr street light pole | 15 | 260.00 | no | 3900.00 |
| 5<br>68/4 | Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanized, steel wire/steel tap armoured cable with PVC outer sheathing 1.1KV ClassI. Class 'A' PVC Cable d) 4 core 16sqmm | 725 | 150.00 | Per mtr | 108750.00 |
| 6<br>69/5 | Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.<br>I. In existing trench /duct.I. In existing trench /duct.<br>a) 6sqmm to 16 sqmm | 725 | 8.00 | Rmtr | 5800.00 |

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| 7<br>70/6 | Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete. (As per Civil SR KSRB 1-2, P-7)b. In hard Soil | 650 | 50.00 | Rmtr | 32500.00 |
| | d. Asphalt cutting | 50 | 80.00 | Rmtr | 4000.00 |
| 8<br>18/9 | Supplying 70 Watts MH integral post top lantern Metal halide fitting suitable for pole mounted with fully vermin, weather proof, elegant in shape, appearance, UV stabilized clear acrylic diffusers, camouflaged horizontal lamp, IP 54 protection. Electrical safety class 1. The fitting shall have ferromagnetic copper choke with capacitor, igniter and fully wired to operate on 230 V 50Hz AC supply with 70 Watts MH Lamp..<br>a) Group 'A' | 15 | 5230.00 | Each | 78450.00 |
| 9<br>9/20 | Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or consealed system of wiring.<br>I Group A.c) 2.5 sqmm | 170 | 25.00 | Per mtr | 4250.00 |
| 10<br>28/6 | Fixing charges of post top /Gate/Garden fitting on the existing CI /GI or any other pipe using required size of reducer, wiring using suitable wires etc..complete. | 15 | 165.00 | Each | 2475.00 |
| 11<br>36/12 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required.<br>c) 5-32 Amps DP 2) Group 'B' | 15 | 435.00 | Each | 6525.00 |
| 12<br>42/39 | Supply and Installation/Fixing/Provision for mounting of HRC Fuse /MCB with suitable connector/teminal for 3 Ph/1 Ph connections with Loop-in & Loop-Out terminals for 10 Sqmm/25 sqmm 3.5 C Al/AR/Cu/AR Cable and branchout 2.5 Sqmm 2 Core Al/Cu PVC insulated cable, enclosure, which should be shock proof, safe IP 65 (Weather Proof), rust proof, dust proof, water proof having Internally Embedded Gasket with provision for cable entry through IP 65 Thermoplastic, Polyamide glands and /or grommets.a) 200x200x98mm | 15 | 925.00 | Each | 13875.00 |
| 13<br>41/37 | Supplying and fixing angle iron frame work fabricated out of M.S angle iron... and M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. .<br>(32.9a) a) 40x40x6mm | 45 | 240.00 | Rmtr | 10800.00 |
| 14<br>19/12 | Supplying High pressure sodium vapour street light fitting die cast aluminium canopy with aluminium housing for control gear, finished stove enamel gray glassy white canopy interior with a pair of anodized aluminium reflectors with toughened flat glass, gasket lining for drip insect resistance duly wired with porcelain holder copper choke, igniter and HPF condenser including a sodium vapour lamp.II 250 Wattsa) Group 'A' | 50 | 6150.00 | Each | 307500.00 |

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| 15<br>28/1 | Supplying & fixing mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 or rail or RCC pole/wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires complete. b) Using 32mm dia G.I pipe | 50 | 685.00 | Each | 34250.00 |
| | **SUB TOTAL** | | | | **909040.45** |
| | KRIDL CHARGES @10% of Estimates | | | | **90904.05** |
| | Miscellaneous | | | | 55.50 |
| | **TOTAL** | | | | **1000000.00** |

**CERTIFICATE :-**

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates. And KPWD Civil SR 2013-14

Assistant Engineer (Ele)
Yelahanka Zone

Asst. Executive Engineer (Elecl)
Yelahanka Zone

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

TECHNICALLY SANCTIONED FOR Rs. 10.00 lakhs
Rupees Ten Lakhs

Under

Registered as EE ( ) No. 99
Subject to conditions contained in
enclosed memo EE ( ) No. EE/Ele/Y2/TS/15/13-14
Dt. 22/02/2014 Estimate A/S Sanctioned
Addl. Comm's. Y2 AS/880/13-14
Dated 22.02.2014 Rs. 10.00 lakhs

Executive Engineer

ADMINISTRATIVELY SANCTIONED FOR Rs 10.00 lakhs
Rupees Ten Lakhs only

Under

Registered as EE ( ) No. 99
Subject to conditions contained in
enclosed memo EE ( ) No. 131
Dt. Estimate A/Sanctioned
Addl Comm (Y2) No. AS/880/13-14
dated 22-2-2014 Rs 10.00 lakhs

Addl Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92